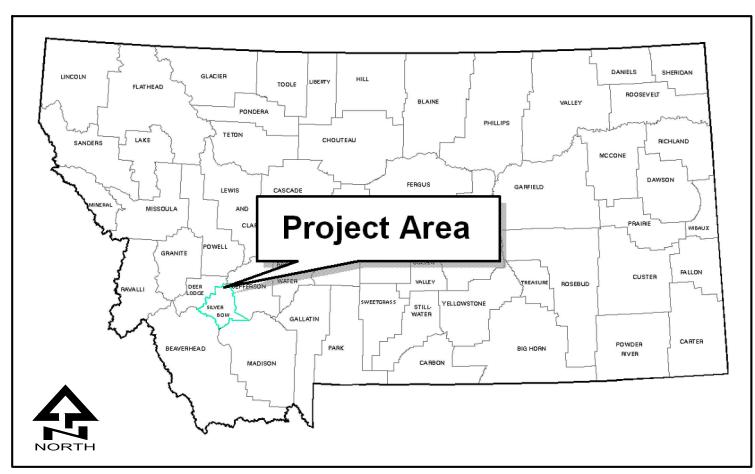
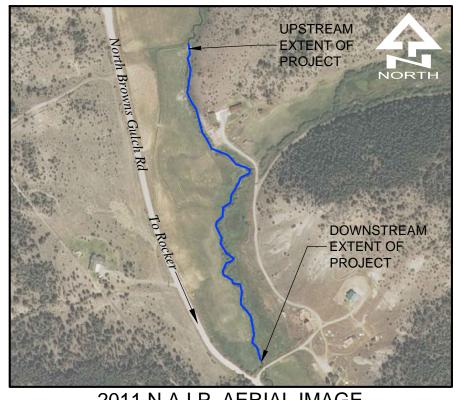
PHASE 1- BROWNS GULCH CHANNEL STABILIZATION MALYEVAC PROPERTY CHANNEL RESTORATION

LOCATED IN SECTION 29, TOWNSHIP 4N, RANGE 8W LATITUDE = 46.0699 NORTH; LONGITUDE = 112.6136 WEST SILVER BOW COUNTY, MONTANA

OWNER: MALYEVAC PROPERTY COOPERATING PARTNERS: MILE HIGH CONSERVATION DISTRICT & WATERSHED RESTORATION COALITION MAY 29, 2012





2011 N.A.I.P. AERIAL IMAGE

SHEET INDEX:

- C1 VICINITY MAP & SHEET INDEX
- C2 EXISTING AND PROPOSED PLAN
- C3 TYPICAL CROSS SECTIONS

VICINITY MAP

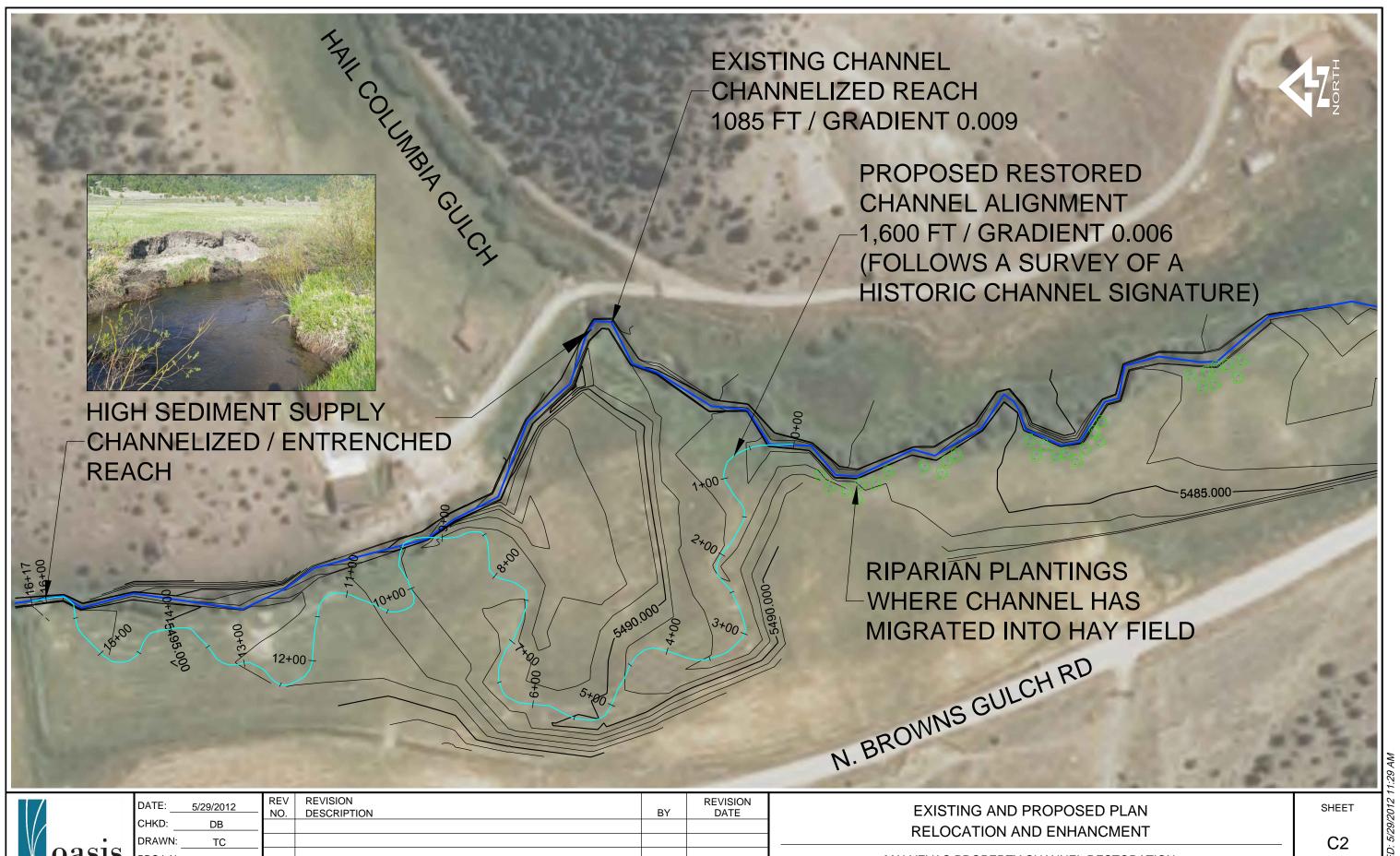


DATE: 5/29/2012	REV REVISION NO. DESCRIPTION	BY	REVISION DATE	
CHKD: DB				ĺ
DRAWN:TC				ĺ
PROJ. No.: 0165492				İ
PO Box 582 Livingston, MT 59047 (406) 222 7600				

VICINITY MAP & SHEET INDEX	
MALYEVAC PROPERTY CHANNEL RESTORATION ROCKER, MONTANA	

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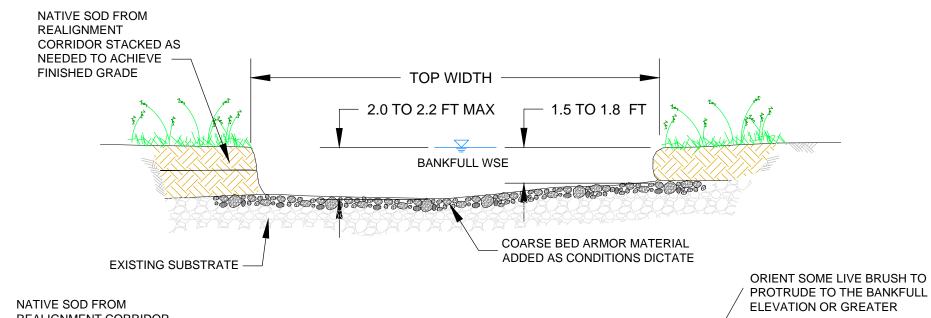
C1





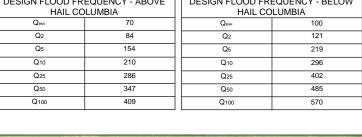
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PO Box 582	2 Livingston, MT				
59047 (406) 222 7600				ı

MALYEVAC PROPERTY CHANNEL RESTORATION ROCKER, MONTANA



CHAN	NEL CHARACTERIS	STICS
	BROWNS GULCH	BROWNS GULCH
	ABOVE HAIL COLUMBIA	BELOW HAIL COLUMBIA
TOP WIDTH (FT)	10 TO 12	12 TO 14
AVERAGE DEPTH (FT)	1.8	2.0
WIDTH TO DEPTH RATIO	6 TO 8	6 TO 8
D ₅₀ SUBSTRATE	GRAVEL	GRAVEL
SINUOSITY	1.5	1.5
ENTRENCHMENT RATIO	5 TO 8	5 TO 8
SLOPE	0.0060	0.0040
CHANNEL	CLASSIFICATION (ROS	SGEN) - E4

	EQUENCY - ABOVE		EQUENCY - BELOW
HAIL CC	DLUMBIA	HAIL CO	DLUMBIA
Q _{BNK}	70	Q _{BNK}	100
Q2	84	Q2	121
Q5	154	Q 5	219
Q10	210	Q10	296
Q25	286	Q25	402
Q50	347	Q50	485
Q100	409	Q100	570





NATIVE SOD FROM REALIGNMENT CORRIDOR		/	DE TO THE BANKFULL ON OR GREATER
STACKED AS NEEDED TO ACHIEVE FINISHED GRADE	TOP WIDTH —	3.5 TO 4.0 FT	LIVE STEMS TO PROTRUDE ONTO THE FLOODPLAIN ON BACK SIDE OF THE BANK TREATMENT
UNDISTURBED GROUND	BANKFULL WSE		DENSELY COMPACTED BRUSH REINFORCED BANK TOE ALONG HIGH ENERGY BANKS
	LIMIT OF EXCAVATION		
	EXISTING SUBSTRATE —		
	4 TO 6 FT REINFORCED BANK		

/	
V	oasis
ENVI	RONMENTAL

DATE:5/29/2012	REV NO.	REVISION DESCRIPTION	BY	REVISION DATE
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59047 (406) 222 7600				

TYPICAL CROSS SECTIONS
111 10/12 011000 020110110